

IF-123

(1)
Doc T43

THE FOLLOWING
DOCUMENT
SIRMIT

TO: SSA

FROM: SEAMAN

C.S.D.I.O. (G.I.)
 S.I.N. 1171
 16 May 45

THIS REPORT IS TOP SECRET

Consolidated report on information
 obtained from the following PW:

- CS/2297 Uffs ERDMANN (A)
- CS/2299 G/Ostf. GRUBLER (B)
- CS/2298 Uffs KEMPEL (C)
- CS/2300 Uffs KARBERG (D)
- CS/2296 Uffs SCHMIDT (E)
- CS/2295 Uffs SUSCLOWK (P)

PW A of Gen der Nachr Aufkl, Gruppe IV, Ref 3a, captured
 at BAD REICHENHALL, 4 May 45

PW B, C, D, P of Gen der Nachr Aufkl, Gruppe VI, Ref 1c,
 captured at ROSENHEIM, 3 May 45

PW D of Gen der Nachr Aufkl, Gruppe VI, Ref 1b, captured
 at ROSENHEIM, 3 May 45

GENERAL DER NACHRICHTEN AUFKLÄRUNG
 (ARMY INTERCEPT SERVICE)

PROFILE

1. PW A is a Protestant pastor of German nationality, born in BESSARABIA, who went to GERMANY in 1930 and settled near DRESDEN. After an interpreter's course in Russian in 1941 he joined a German Naval Staff which was to undertake the occupation of Leningrad. In Mar 42 he was transferred to OKW/Chi and with a party from that Dept proceeded to Horchleitstelle (Ost) LITZEN in Apr 42, to work as a cryptographer. He does not appear to have been very successful in crypto-analytical work; after specializing on NKVD traffic he took over the NKVD card index which was kept by Horchleitstelle (Ost) and later by Gen der Nachr Aufkl, Gruppe IV, Ref 3a. PW is cooperative and has a reasonably good memory.
2. PW B is an electrician from BREESLAU. He served as an intercept operator with FNASt 7 at MINEK in 1942 and in Jan 43 was transferred to Horchleitstelle (Ost). He was released from the Army for a short time to work as a technician in a firm, and then rejoined Gen der Nachr Aufkl, Gruppe VI, Ref 1c. He was employed as a mechanic, supervising special intercept equipment. PW is cooperative, but has only a limited field of knowledge.

3. PW C is the nephew of Freda RECHL, the New York opera singer, and before the war worked as a technician for Firma LORENZ. Since 1945 he has been employed as a technician looking after special intercept equipment, originally with Horchleitstelle (Ost), latterly with Gen der Nachr Aufkl Gruppe VI, Ref 1c. PW is cooperative, technically very able and generally well-informed on intercept matters.
4. PW D was born in POLEVA, RUSSIA, in 1911; he is the son of a German manufacturer. He was educated in the USSR and settled in GERMANY in 1930. After studying music at the Conservatoire in BERLIN he became a piano teacher. He was called up in 1941 and, having fluent Russian, was employed as a signals interpreter with forward intercept units until 1942. From 1942 until Aug 44 he was senior Russian instructor in 2nd Coy of Nachr Dolmetscher Ers u Ausb Abt. In autumn 44 he took a cryptographic course in JÜTERBOG and then joined Gen der Nachr Aufkl Gruppe IV, Ref 5. Here he was employed as a cryptographer on enciphered Baudet traffic and was attached to Gruppe VI, Ref 1b. PW is somewhat vain but nevertheless exceedingly brilliant. He has a phenomenal memory and his statements are quite reliable.
5. PW E is a student from DÜSSELDORF. In 1941/42 he was employed as an intercept operator with forward "Y" units. In Dec 42 he joined the Horchleitstelle (Ost) LÖTZEN, and was absorbed into Gen der Nachr Aufkl, Gruppe IV, Ref 1c as an intercept operator for Baudet traffic. PW is intelligent and is well informed on intercept matters.
6. PW F was a student in BERLIN before the war. From 1941 he served as an intercept operator with forward "Y" units. He joined the Horchleitstelle (Ost) LÖTZEN in 1941 and has specialized as an intercept operator in Soviet inter-state traffic and in Baudet traffic. He was last employed in Gen der Nachr Aufkl, Gruppe VI, Ref 1c. PW is very cooperative and exceedingly well informed on Russian signals procedure.

HISTORICAL SURVEY

ORGANIZATION
OF GERMAN
SIGNALS
INTER-
CEPT SERVICE
REF 1C OCT 44

7. The following were the main agencies responsible for Signals Intelligence in the German Army:
 - Forward "Y" units (Kör & Nachr Aufkl), who were administratively and operationally subordinated to the Chief Sigs Officer of the local formation in the field, but who passed their material back to the higher echelons for further treatment.
 - Leitstelle Nachr Aufkl (West). This unit was located at ZUSSE and acted as the final evaluation centre for all Western European traffic. PW are not informed on the organization of this unit, which has, however, already been dealt with in SIG 1305.
 - Horchleitstelle (Ost), located until Oct 44 in LÖTZEN, which acted as the central evaluation agency for Eastern front traffic and also for special tactical reasons undertook the cryptographic work necessary for that sector. See paras 5 et seq.

ORGANISATION
OF GERMAN ARMY
INTERCEPT
SERVICE UP TO
OCT 44
 (cont)

7. (cont)

OKH In 7/VI, latterly known as Ag H/Nachr Aufkl, which, though in the Reserve Army, acted as the central cryptographic agency for the Army in respect of all traffic other than Russian. PW have no special knowledge on this subject, which has already been covered in GIR 1535 and 1704.

HISTORY AND
ORGANISATION
OF HORCHLEIT-
STELLE (OST)

7. General

In view of the reorganisation and rationalisation of the German Army Intercept Service which took place in Oct 44 and of the establishment of a centralised control under Gen d Nachr Aufkl, it is considered appropriate at this stage to discuss the organisation of Horchleitstelle (Ost) before that date in order to understand the changes that occurred.

Historical

9. Horchleitstelle (Ost) originally assembled in BERLIN in summer 41, moved to LUTZEN as Gruppe VI of OKH/Chof HMW (Chief Staff Officer of the Army). The Comd of this unit was Obstlt i G KETTLER, latterly Obst KETTLER and head of OKH/Chi; his successor in 1942 was Obst Baron von Ger OSTE-BÄCKEN, who committed suicide after 20 Jul 44.
10. In summer 42 Gruppe VI Chof HMW moved to VIENITSA in the UKRAINE where it was expanded and reorganised as the Horchleitstelle (Ost). In Oct 42 the Horchleitstelle returned to LUZKE where it remained until the summer of 44, when it returned to WOSSE.

11. Organisation

Horchleitstelle (Ost) was divided into the following referats:

- Referat 2: Personnel problems
- Referat 1: Various duties including supply of equipment, maintenance, evaluation of captured documents and general research into wireless procedure, frequencies, etc.
- Referat 2: Evaluation, compilation of intercept situation report, Nachr Aufkl. Führungsstelle Ost.
- Referat 3: Russian cryptographic section. This consisted of a nucleus of cryptographers drafted to the unit at various stages, as well as of the cryptographers from the Russian Referat of In 7/VI under Inspektor DETLEMAN who, PW believe, joined the unit in the autumn of 41. Additional cryptographers under the leadership of Prof NOVOPASCENNY of OKH/Chi joined the unit in spring 42 with the special task of investigating the Russian 5-figure Code. Prof NOVOPASCENNY returned to BERLIN in the autumn of 43, but his cryptographers were absorbed into the unit. As far as PW know, all cryptographers in Referat 3 were taken over into the unit, whatever their former post may have been.

HISTORY AND ORGANIZATION OF HORCHLEITSTELLE (OST)
(cont.)

11. (cont.)

Referat 4: Specialised in the picking up of inter-Soviet State traffic, in the monitoring of the Russian wireless and the monitoring of REUTER and TASS News Agency broadcasts. In the winter of 1942/43 Referat 4 also acquired the Baudot Reception Station which had moved from MINSK.

12. Special Intercept Stations

The Horchleitstelle also controlled the Peste Horchstelle 11, otherwise known as FN-ST 11, which picked up high grade Red Army traffic. The station was originally at VIRGITSK and latterly in KIEV.

FOUNDATION OF GEN DER NACHR AUFKL

General

13. In Oct 44 the Gen d Nachr Aufkl was set up under the control of Obst ROETTEL, who was directly subordinated to CHIEFIEW. The object of the organisation was to ensure centralised control of intercept policy and administration, and to rationalise in the use of man power.

14. The organisation of Gen d Nachr Aufkl is shown on Appendix 2 and described in detail in paras 16 et seq below. The changes which took place in the German Army intercept structure between Sep and Oct 44 are shown in Appendix 2. The process of cannibalisation is described in para 15 below.

15. Details of Cannibalisation Process

- (a) Forward "B" units, Kor d Nachr Aufkl. These were not greatly affected by the change-over. They came under closer centralised control in matters of administration and signals intelligence policy and were no longer the exclusive concern of the Local Chief Sigs Officer. To improve the intercept service in the West, with Kor d Nachr Aufkl being OB West (Obst ROEHL), was set up to control the Western front intercept units.
- (b) Leitstelle d Nachr Aufkl (West) at ZOSSEN. This unit was absorbed virtually intact into Gruppe II of the Gen d Nachr Aufkl. Those sections dealing with personnel problems were absorbed into Gruppe Z, and those dealing with wireless and news agency monitoring into Gruppe I.
- (c) AG N/Nachr Aufkl (OIGI In 7/VI). Appears with some slight depletion of personnel to have been absorbed completely into Gruppe IV (the Cryptographic Group) of Gen d Nachr Aufkl.
- (d) Horchleitstelle (Ost) was cannibalised as follows:
 - Referat 2 to Gruppe Z
 - Referat 1 (Miscellaneous) to Gruppe V (Miscellaneous).
 - Referat 3 (Eastern Front Evaluation) to Gruppe III (Eastern Front Evaluation).
 - Referat 5 (Russian Cryptographic Section) to Gruppe IV (General Cryptographic Section).
 - Referat 4 (Intercept Service on Soviet Traffic) to Gruppe VI. Wireless and News Agency Monitoring to Gruppe I.

FOUNDATION
OF GEN DER
NACHR AUFKL
(cont.)

15. (cont.)

- (c) Miscellaneous. An intercept station for picking up British and American machine traffic was detached from FN ST 5 to Gruppe VI.

ORGANISATION; SCOPE OF WORK

ORGANISATION
OF HQ

15. The HQ of General d Nachr Aufkl consisted of three main sections:

Stab	Comd: Obstlt <u>ANDRAE</u>
Unterstab	Comd: Oblt <u>KOBE</u>
Gruppe Z	Comd: Maj <u>HUTSER</u>

DUTIES
OF HQ

Stab

17. This component controlled the signals intelligence work of the HQ units of General d Nachr Aufkl. These particular units were known as Gruppen I to VI. The control of Obstlt ANDRAE also extended to the two special intercept stations, Poste Horechstellen 6 and 11, which were directly subordinated to Gen d Nachr Aufkl.

18. The authority of the Stab was exclusively in matters of intelligence policy and did not extend direct to intercept units in the field. It could however liaise with these through the Unterstab. The final responsibility for policy, issue of intercept orders and allocation of work within the Gruppen lay with the Stab.

Unterstab

19. This nucleus was created shortly after the foundation of General d Nachr Aufkl in order to enable the Stab to concentrate on the internal work of the directorate. The Unterstab was responsible for the intelligence control of the forward units on behalf of Obst BOETZEL, Gen d Nachr Aufkl.

20. The intelligence control of the forward units was exercised direct in the cases of KVA 1, 2, 3, 7 and 8, and via the Helferler Kdr d Nachr Aufkl beim OB West in the case of KVA 4(?) 5 and 6.

Gruppe Z.

21. This section was responsible for the general administrative control of all departments within General d Nachr Aufkl. This included the Stab, the Unterstab, the various Gruppen in the directorate, the forward units and the fixed intercept stations.

22. The control of Gruppe Z can be considered under the following four headings:

- (i) Personnel Matters. A central card index was kept of all personnel employed in HQ General d Nachr Aufkl or within any of its forward sub-units. Gruppe Z was responsible for all transfers, whether inter-departmental or outside the directorate.

DUTIES
OF HQ
(contd)

22. (contd)

- (ii) Registry Office (Registratur) This office was responsible for all incoming and outgoing correspondence and was responsible for all courier comms between HQ General d Nachr Aufkl and its outlying sub-units. For inland comms the Registratur had its own runners, but over long distances the courier services of the OKH were used. In addition the Registratur duplicated some reports for the individual Gruppen.
- (iii) Paymaster This section was responsible for paying all personnel of the HQ.
- (iv) Drawing Section In this department situation maps and WT networks were reproduced. A certain amount of photostat and book-binding activity was also carried on.

GRUPPE I23. General

This section, directed by Lt. Colonel BODENMÜLLER, was responsible for two main tasks;

- (a) the maintenance of comms between the units of General d Nachr Aufkl
(b) routine wireless monitoring duties.

Internal Comms

24. The signals officer of the Gruppe, Insp STRAHLENDORF, was in charge of a wireless centre and a teleprinter control centre which were centres of a network connecting the outlying units to the HQ. Teleprinter was the favoured method of comm until, in the final months, wireless took the most prominent place.
25. In the middle of Apr 45 a plan was evolved for setting up wireless stations in occupied parts of GERMANY for intercept purposes. Comms with these stations was to be maintained by the wireless centre of General d Nachr Aufkl. The plan was abandoned through the unfavourable development of the war.
26. Personnel employed by the comms services were almost exclusively women.
27. Monitoring Service
- This section, known as Ic Rundfunkempfangstelle, was commanded by 7th PROTTREBNER and had the following sub-sections:
- (i) Rundfunküberwachung OST
Owing to personnel shortage its efforts were restricted to monitoring the MOSCOW wireless. Latterly a certain amount of RUSSIAN monitoring was instituted, particularly for TURKEY and RUMANIA.
- (ii) Rundfunküberwachung WEST
Likewise because of personnel shortage this section dealt merely with the monitoring of the BBC LONDON Service.
- (iii) Helldienst
This sub-section was responsible for News Agency intercepts. Owing to the manpower shortage, the intercept activity was concentrated on the REUTER Agency.

GRUPPE I
(contd)

27. (contd)

(iv) Evaluation

The evaluation sub-section was responsible for collating all information received from the three above-mentioned sub-sections and consolidating them into reports. Collated reports were issued, divided into separate parts for political, economic or military news. These reports were circulated within various departments of the OKH. Frequently, owing to the political nature of the information, the reports were graded G Kdos (Top Secret) although they were obtained merely from monitoring enemy wireless news. Special news flashes on items of urgent importance were also issued.

GRUPPE II

28. This section was known as Endauswertung WEST and was commanded by Hptm THIEL. Formerly Gruppe II was known as Leitstelle der Nachrichten Aufklärung (WEST) and was located at ZOSSEN. In Oct 44 it was taken over intact, less its cryptographic sections, into Gruppe II, where it continued to carry out the same functions. As all six PW worked on the Eastern leg of German intercept, they are ill-informed on the activities of this department, save that it was organized on a similar basis to Gruppe III.

GRUPPE IIIOffice Organisation

29. This section, known as Endauswertung OST and commanded by Hptm CORZOLLI, was responsible for the evaluation of all intercept and cryptographic work emanating from Eastern European traffic.

30. With the HQ of Gruppe III there was a special receiving office through which all messages emanating from the forward intercept units and fixed stations were passed. At the reception office the unit originating the message was identified by means of the call signs used. Undeciphered messages were thence passed immediately to Gruppe IV for deciphering and messages which were already in clear were passed to the special evaluation sub-sections according to the nature of the traffic. In addition, deciphered messages were passed back from Gruppe IV through the reception office for evaluation. The head office of Gruppe III kept a Central Card Index in which call signs, cipher indicator groups and contents of messages were registered.

31. The department was sub-divided into the following sections:

Traffic Sorting Office
Northern Sector Evaluation
Central " " "
Southern " " "
NKVD Evaluation
Partisan traffic Evaluation
Swedish traffic Evaluation.

Sources of Information

32. The main sources of information for the evaluators were call signs, cipher indicator groups and DF reports. On the basis of these it was possible to establish a detailed and accurate enemy Order of Battle and to glean adequate information of his movements and intentions.

GRUPPE III
(cont.)

32. Surnames were an exceptionally valuable source of intelligence since they were used very frequently in Russian traffic dealing with promotions and transfers. Surnames above the rank of Major were card-indexed and were frequently a source of identification.
33. The evaluation of NEVD traffic was equally valuable, since reinforcements and movements of NEVD formations normally indicated similar developments with the Field Army. They also gave a good picture of lines of communication activity. Interception of Partisan traffic sometimes enabled the German authorities to take precautionary measures in time.

34. Reports(a) Consolidated

C/Insp. WITTMANN (assistant to GORZOLLA) was responsible for publishing the consolidated situation report, known as Nachrichten Aufklärungs Lage OST, of which 30 copies were produced. Nachrichten Aufklärungs Lage OST was compiled from a number of Funk Lage Berichte, which the special sections within Gruppe III produced. These sections each provided a part of the final report.

(b) Sector Reports

Each sector report was divided into two main parts. The first part consisted of a DF network which sketched the order of battle from Div upwards and indicated call signs and cipher indicator groups in use, as well as the location of wireless stations. The DF-ing of stations within the areas of the forward "I" units was done by the forward "I" units themselves. Information on other stations was passed back to Gen. der Nachr. Aufkl., who was responsible for the necessary evaluation. The second part of each sector report consisted of the decoded text of intercepted traffic, above the level of Div, which had been either decoded at Gen. der Nachr. Aufkl. or already dealt with by the forward "I" units.

GRUPPE IVGeneral

36. This department, commanded by Maj. HEINZ, was responsible for all cryptographic work at General der Nachrichten Aufklärung. It catered for work on the Eastern and Western fronts.
37. Gruppe IV was built up from the following three sources: The Defence Sig. B/Nachr. Aufklärung (formerly Ia V/VI) and the Cryptographic Sections of Leitstelle der Nachrichten Aufklärung (West) ZOSSER and the Heeresleitstelle (East) formerly at LÖTZEN.
38. Gruppe IV was divided into separate Referate according to the origin of the material. Material dealt with in Gruppe IV consisted of traffic which the forward intercept units had picked up and had been unable to decipher. A certain amount of signal traffic was also picked up by the fixed intercept stations attached to the General der Nachrichten Aufklärung. (See paras 5 to 37).

GRUPPE IV
(cont.)39. Referat 1Referat 1a

Analytical research, work on British and American machine cipher and on Russian five-square traffic. No further details are known to PW.

Referat 1b

Mathematical section, research on American, English and French machine ciphers and on Russian Baudot traffic. No further details are known to PW.

40. Referat 2

This section dealt with the deciphering of Western European traffic and also probably Hungarian, Romanian and Italian ciphers. Further details are unknown to PW.

41. Referat 3

Eastern front deciphering.

Referat 3a

Dealt exclusively with NKVD traffic. A small nucleus was devoted to research on reconstructing the ciphers and a larger section engaged on deciphering work.

Referat 3b

Sub-section specialising in Red Army traffic.

Referat 3c

Responsible for deciphering of Partisan traffic.

Referat 3 (Analytical section)

Carried out research on Russian codes and ciphers in general.

42. Referat 4

PW have little knowledge of this department. It carried out statistical work and was believed to be principally devoted to Hollerith activity.

43. Referat 5

This sub-section held the cryptographic course for cryptographers specialising either on Western European or Russian traffic. The course lasted 10 to 12 weeks and was controlled by C/Insp, KUBN, who had formerly directed the cryptographic course run by Insp VII/6 at J^h FERBOG.

GRUPPE V

44. This Department, commanded by Assistant BLOCK, had a fairly wide field of activity and was divided into three Referats with quite distinct functions.

GRUPPE V
(contd)45. Referat 1 - Funk Betriebsforschung

C/Insp ZIEGLER led this section, with Wachtm SCHEITZ specialising on Western European traffic, and Wachtm SISYUS on Eastern European traffic. The section as a whole was engaged in reconstructing Russian, British and American call signs and systems, and in thence deducing the units referred to. Other subjects covered included the general wireless procedures, frequencies, codes and abbreviations used by enemy wireless; allocation of wavelengths was also studied by this section. P have not a thorough knowledge of this section, but state that considerable success was achieved in reconstructing enemy wireless networks from research along the lines indicated.

46. Referat 2 - Beutenauswertung CST

This department was controlled by Artmann LOCK, the head of Gruppe V, in person. It was responsible for the exploitation of captured Russian documents of sigs interest; captured manuals were translated and similarly descriptions of Russian equipment and standing instructions for Russian signals procedure were examined. At the end of the 45 Referat 2 had completed an up-to-date booklet on Russian abbreviations, which was ready for publication. This book was to have been made available to all German intercept units.

47. Referat 3

This section had two tasks, that of supplying the forward intercept units with the necessary equipment and that of maintaining a workshop to service the needs of HQ General Ger Christian Kauffman.

GRUPPE VI48. General

This dept, directed by Hptm RÜDER, was responsible for intercepting and evaluating special high-grade machine cipher.

49. Ref 1 A

This section dealt with the evaluation of Russian Inter-Soviet traffic picked up on Brudot networks. On the basis of this the Wirtschaftskanalar (WVK) were compiled. These bulletins gave a detailed summary of the Russian economic situation, particularly in the areas of MOSCOW, BAKU, ROSTOV, and included production figures and details of supply and labour situations. About 50 copies of this report were issued. Detailed card indexes of a economic nature were kept; they included names and locations of factories and personalities therein.

50. Ref 1 B

Consisted of the cryptographers who undertook research into the cipher machine employed for Brudot traffic forward of GHE MOSCOW. They also assisted Referat I C in preliminary evaluation.

51. Ref 1 C

This section picked up Inter-Soviet and Red Army Brudot traffic and dealt with the preliminary evaluation of Red Army Soviet traffic. This traffic was in figure cipher. On the

GRUPPE VI
(contd)

51. (contd)

basis of an analysis of this traffic a situation report was brought out, giving the Order of Battle, personalities, frequencies, call signs and cipher indicator groups used in this traffic. This was passed to Gruppe III for fuller evaluation. The preliminary evaluation was carried out jointly with Referat 1 B.

52. Ref 2

This Dept, under Inspector HELZER, coordinated special intercept work for Western European traffic.

53. Ref 2 A

Undertook preliminary evaluation of British and American WT teleprinter and automatic Morse traffic. He cannot remember any further details of this activity except that some of it was directed at picking up multi-channel carrier frequency WT traffic.

54. Ref 2 B

This section comprised the technicians who picked up the traffic evaluated in Ref 2 A.

FIXED
WIRELESS
STATIONS

55. General

The following two fixed intercept stations were attached to General der Nachrichten Aufklärung. Both were subordinated to the staff of General der Nachrichten Aufklärung for intelligence purposes and to Gruppe 2 for administrative purposes.

56. Poste Horchstelle 6

This intercept station was subordinated to Horchleitstelle LITZEN before it was attached to General der Nachrichten Aufklärung. In 1943 it was evacuated along the following route: KÜSLIN, BURG and OSCHAMZ, where the station was intermittently set up. It specialised in picking up Red Army and NKVD traffic and concentrated on high frequency traffic.

57. Poste Horchstelle 11

Attached to Horchleitstelle Ost. First at REY, then at LOTZEN. Late in 1944 it moved to STRIGAN, where it was subordinated to General der Nachrichten Aufklärung. This station specialised in picking up Red Army and NKVD traffic.

OPERATIONAL

MOVEMENTS OF
GENERAL DER
NACHRICHTEN
AUFKLÄRUNG

General

58. In Jan 44 General der Nachrichten Aufklärung was situated in and around the BERLIN area, with the main departments at ZOBLEN, Gruppe IV in JÜTERBOG and Gruppe VI at POPSDAM.

MOVEMENTS OF
REMAINING
UNITS OF
GRUPPE IV
(cont'd)

59. In Feb 45 the GIC moved out of ERFURT of General Cor Nachrichten Aufklärung NOVA.

Gruppe I - BOSEN, ERFURT, BAD REICHENHALL.

Gruppe I, II, III and V - BOSEN to BAD REICHENHALL.

Gruppe IV - Parts to ERFURT, WEIMAR and KROFDORF near GIESSEN, in particular Referat 1b to KROFDORF near GIESSEN; others direct to BAD REICHENHALL.

Subsequently those departments at ERFURT and KROFDORF rejoined the remnants of Gruppe IV at BAD REICHENHALL. The section of Gruppe IV at WEIMAR, namely the Hellerith component, remained in that area and PW believe must have been captured by the Americans (PW CG/2318 oblatit HETTIG confirm this).

From BAD REICHENHALL in Mar 45 Referat 1 of Gruppe IV moved to UGGER in the neighbourhood.

On 5 Apr 45 the remnants of Gruppe IV moved from BAD REICHENHALL to GLSENBRACH, where they were joined by Referat 1 of Gruppe IV.

Gruppe VI - POKSDEN, STUTTGART, ROSENHEIM.

60. Final Picture

Gruppe I, II, III and V: BAD REICHENHALL;

Gruppe IV: GLSENBRACH near SALZBURG;

Hellerith section of Gruppe IV: disappeared in WEIMAR area;

Gruppe VI: ROSENHEIM.

TRIBUTES

CRYPTOGRAPHIC
TRAFFIC OF GRUPE IV

61. Gruppe IV received unbreakable traffic from forward XX units. Its range of work as regards Russian ciphers was as follows:

62. 2-figure traffic

The Russians used large numbers of 2-figure keys, usually ciphers with multiple substitutions, used systematically or unsystematically. Most traffic of this nature was decoded if adequate depth was obtained. The number of different ciphers of this kind used ran into many thousands, and many hundreds of these were deciphered successfully.

63. 3-figure and 4-figure traffic

These appeared in the form of either:
3-figure or 4-figure ciphers in which the cipher was constructed on individual letters or syllables, or:
3-figure or 4-figure codes constructed either alphabetically or non-alphabetically, systematically or unsystematically. In addition, mixed codes of this type were used with words, syllables and letters mixed together and frequently with clear fitted in as well. Most traffic of this nature was solved and hundreds of different code books and tables reconstructed. Likewise, deciphered codes were broken either when the deciphering was known or when the traffic was deciphered according to a fixed system. Among the types of traffic listed, the following NYD 4-figure codes were handled and broken: Nos 1100, 1774 (?) and 1800.

ORIGINS, PWG
FORM OF GROUPS IV
 (contd)

64. 5-figure traffic

This form of traffic had many forms of encipherment. The bulk were deciphered systems with special indicators, groups, all based on a code framework. Some un deciphered traffic was decoded and certain codes, particularly in Partisan traffic, were reconstructed. It is possible that certain deciphered 5-figure traffic was broken, but PW are uncertain on this subject.

65. 5-letter traffic

This was picked up, but to PWs' knowledge never broken.

SPECIAL INTER-
CEPT TECHNIQUES

66. The German intercept authorities dealt with the following special types of traffic:

X-traffic (X-Vorkohr)

67. This consisted of Russian wireless telephone traffic. Attempts were made to pick up such traffic by equipment developed at the Wehrkreis Warfenant under Dr LOTZE and operated at RUSSE 9 at WITTSBERG during 1942-43. The traffic was also picked up by personnel in Ref 4 of Horchleitstelle (Ost) at WITTSBERG.

68. The channels monitored mainly ran East of MOSCOW and were along lines MOSCOW-MINW. LIL, MOSCOW-TASKENT, MOSCOW-IRKUTSK. The traffic was chiefly of an economic character and was successfully intercepted. In 1944 the Russians scrambled the bulk of their wireless telephone traffic and, after unsuccessful efforts to intercept it, the monitoring was suspended.

Y-traffic

69. This referred to the transmission of photographic messages by wireless means. Such traffic was picked up from all over the world, including lines from MOSCOW to STOCKHOLM; LONDON to MOSCOW; LONDON to CAIRO, NEW YORK and MOSCOW etc. Non-Russian channels did not yield any valuable intelligence as the photos intercepted were normally only of news Agency interest. Internal Russian traffic of this nature did, however, yield technical diagrams and charts which were communicated by wireless methods.

70. Y-traffic was picked up in Ref 1 of Gruppe VI. The activity was discontinued in Jan 45.

71. Z-traffic

This was the name given to Russian Bandot traffic, which the Germans experimented in intercepting at various stages of the war.

C.S.D.I.C.(U.K.)
 16 Aug 45

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APPENDIX 1

ORGANIZATION OF GENERAL DEPARTMENT

General Dept
at WASHINGTON

Directorate of Intelligence
Group 1
Group 2
Group 3

Group 4
Group 5
Group 6
Group 7
Group 8

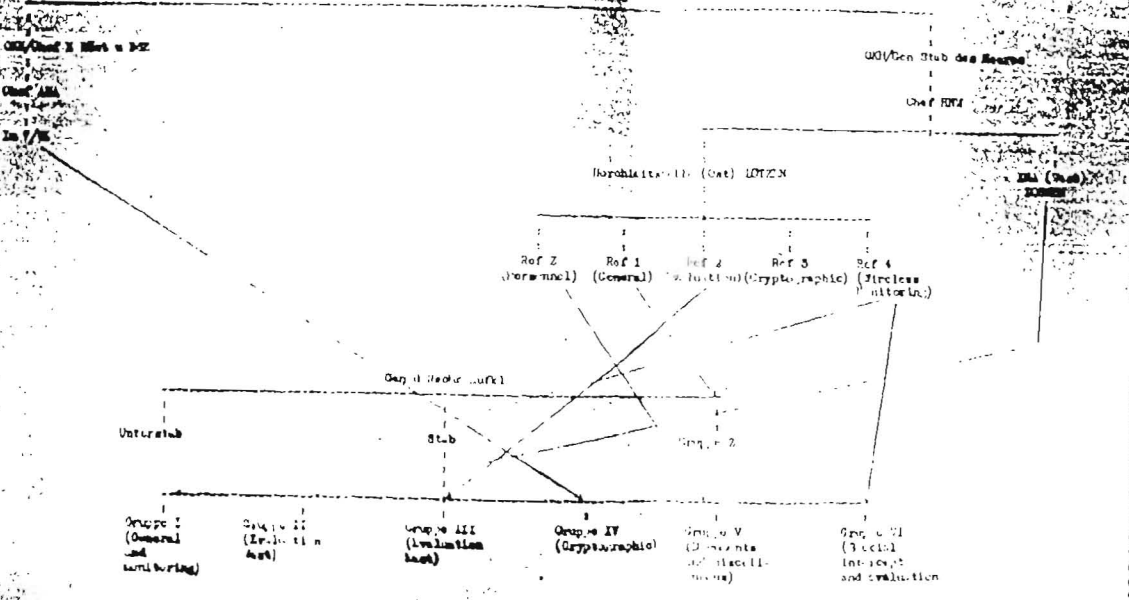
Group I	Group II	Group III	Group IV	Group V	Group VI
Systems	Alpha	Gamma	Delta	Epsilon	Zeta
Operations	Beta	Delta	Epsilon	Zeta	Eta
(General and monitoring)	(Evaluation)	(Evaluation)	(Cryptographic)	(Documents etc)	(Special intercept)

..... = radio control
----- = intelligence control

..... 7
..... 3
..... 1
..... 2
..... 8

Post H-Station 6
Post H-Station 11

ORGANIZATION OF THE ARMY SERVICE



After Oct 44